

# Converting Colors

XYZ(56.7810, 52.9564, 67.5727)

Have a look what the booklet for  
XYZ(56.7810, 52.9564, 67.5727)  
contains.

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# Color

**XYZ(56.7610, 53.0694,  
67.5734)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8B7D1
RGB	216, 183, 209
RGB Percent	85%, 72%, 82%
CMY	0.1529, 0.2823, 0.1804
CMYK	0.00, 0.15, 0.03, 0.15
HSL	313°, 30%, 78%
HSV	313°, 15%, 85%
XYZ	56.7610, 53.0694, 67.5734
YIQ	195.8310, 11.3220, 15.0820

# Conversions

## Conversions Part 2

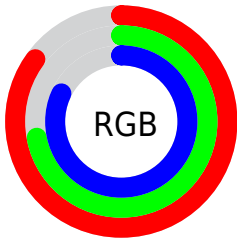
Format	Color
R <sub>Y</sub> B	216, 183, 209
Decimal	14202833
CIE Lab	77.92, 16.25, -8.67
CIE LCh	78, 18.416, 331.908
Yxy	53.0694, 0.3200, 0.2991
Android (android.graphics.Color)	4292392913 (0xFFD8B7D1)
YUV	195.8310, 6.4923, 17.6882
Hunter-Lab	72.8487, 11.5952, -4.0024

# Details

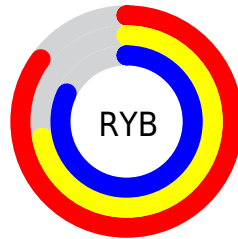
The XYZ color **56.7610, 53.0694, 67.5734** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **53.3806, 62.8981, 58.0452**, and the grayscale version is **52.3270, 55.0521, 59.9517**.

A 20% lighter version of the original color is **90.1565, 90.2130, 107.2688**, and **28.5970, 25.9089, 34.5040** is the 20% darker color. If you saturate the color by 10%, you get **52.0844, 44.6104, 63.2560**, and if you desaturate by 10%, it is **62.1407, 62.9069, 72.2069**.

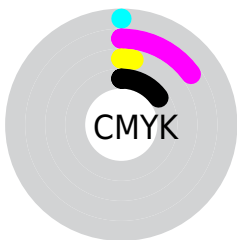
# Distribution



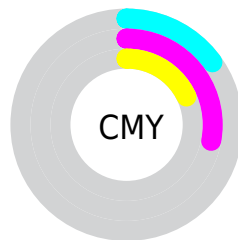
- Red (85%)
- Green (72%)
- Blue (82%)



- Red (85%)
- Yellow (72%)
- Blue (82%)



- Cyan (0%)
- Magenta (15%)
- Yellow (3%)
- Black (15%)



- Cyan (15%)
- Magenta (28%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.7610, 53.0694, 67.5734 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 56.7610, 53.0694, 67.5734 by changing the saturation by 10% instead.



■ 56.7610, 53.0694,  
67.5734

■ 56.7610, 53.0694,  
67.5734

402.5818,  
398.5513, 470.5400

■ 41.0528, 37.8582,  
49.0862

■ 99.2497, 94.7065,  
117.3901

■ 28.5482, 25.8726,  
34.3218

126.7610,  
121.9011, 149.5567

■ 18.8819, 16.7284,  
22.8616

158.9373,  
153.8590, 187.1202

■ 11.6884, 10.0410,  
14.2870

196.1439,  
190.9646, 230.4991

■ 6.6026, 5.4262,  
8.1795

238.7464,  
233.6022, 280.1120

■ 3.2589, 2.4994,  
4.1206

287.1099,

■ 1.2921, 0.8763,

282.1563, 336.3775

1.6917

341.6000,  
337.0112, 399.7139

■ 0.1773, 0.0000,  
0.3551

■ 0.0000, 0.0000,  
0.0000

■ 56.7610, 53.0694,  
67.5734

■ 56.7610, 53.0694,  
67.5734

■ 52.0844, 44.6104,  
63.2560

■ 62.1407, 62.9069,  
72.2069

■ 48.0751, 37.4608,  
59.2403

■ 68.2481, 74.1742,  
77.1635

■ 44.7009, 31.5559,  
55.5155

■ 75.1122, 86.9285,  
82.4542

■ 41.9254, 26.8228,  
52.0687

■ 77.9900, 91.6834,  
86.4986

39.7081, 23.1809,  
48.8858

78.6323, 91.9403,  
89.8810

38.0035, 20.5394,  
45.9509

79.2916, 92.2041,  
93.3527

36.7588, 18.7929,  
43.2457

79.9680, 92.4746,  
96.9145

35.9093, 17.8124,  
40.7479

80.6616, 92.7521,  
100.5670

35.5918, 17.5081,  
39.6219

81.3726, 93.0364,  
104.3108

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.1677, 53.0694, 76.1879



56.7610, 53.0694, 67.5734



57.6387, 53.0694, 57.1295

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



56.7610, 53.0694, 67.5734



50.2120, 53.0694, 40.2338



44.8198, 53.0694, 68.8434

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



56.7610, 53.0694, 67.5734



53.3806, 62.8981, 58.0452

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



43.8687, 53.0694, 58.4426



56.7610, 53.0694, 67.5734



46.8890, 53.0694, 42.6109

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



56.7610, 53.0694, 67.5734



53.7524, 53.0694, 42.0773



44.6082, 53.0694, 48.9881



47.2682, 53.0694, 76.9800



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.7610, 53.0694, 67.5734



57.1012, 53.0694, 50.7350



44.6082, 53.0694, 48.9881



44.3197, 53.0694, 65.4564

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



56.7626, 53.0717, 67.5745



90.6841, 91.9602, 105.3114



50.4659, 49.7233, 71.9042



19.2835, 19.4506, 22.4351



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.7626, 53.0717, 67.5745



80.5866, 73.5186, 96.5397



54.8687, 52.3142, 57.6017



12.8349, 12.5855, 15.0710



21.1073, 10.3793, 23.6671



1.3020, 0.6376, 1.5795



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



56.7626, 53.0717, 67.5745



80.5866, 73.5186, 96.5397



55.2388, 63.6414, 67.8303



12.8349, 12.5855, 15.0710



21.1073, 10.3793, 23.6671



1.3020, 0.6376, 1.5795



# Previews

## White Background



This preview shows how the XYZ color 56.7610, 53.0694, 67.5734 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

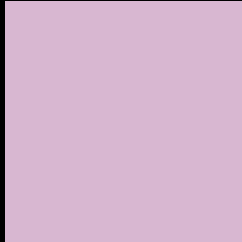
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.7610, 53.0694, 67.5734 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

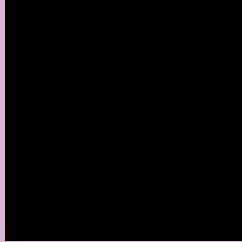
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 56.7610, 53.0694, 67.5734

## Background



This preview shows how black text looks on a background with the XYZ color 56.7610, 53.0694, 67.5734.



This preview shows how white text looks on a background with the XYZ color 56.7610, 53.0694,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

56.7610, 53.0694, 67.5734

### Protanopia

52.0036, 53.0638, 71.1198

### Deuteranopia

54.0573, 52.9321, 67.0423



## Tritanopia

55.6821, 53.2685, 61.3799

# Trichromacy



## Original Color

56.7610, 53.0694, 67.5734

## Protanomaly

53.4201, 52.8620, 69.6752

## Deuteranomaly

54.9565, 53.0818, 67.0238

## Tritanomaly

55.9443, 53.0398, 63.7890

# Monochromacy



## Original Color

56.7610, 53.0694, 67.5734

## Achromatopsia

52.4687, 55.2011, 60.1140

## Achromatomaly

53.8020, 54.1752, 62.8795

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.7610, 53.0694, 67.5734 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(216, 183, 209)` looks like.

```
.text, #text, p{  
    color:rgb(216, 183, 209)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(216, 183, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 183, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 56.7610, 53.0694, 67.5734 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 183, 209) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(216, 183, 209) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(216, 183, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 183, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 183, 209);  
box-shadow:4px 4px 4px 4px rgb(216, 183,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.7610, 53.0694, 67.5734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 183, 209) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(216,  
183, 209) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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